

TOSHIBA

Satellite® 1905 Series

Model(s): **Satellite 1905-S277**

P4 1600/15.0" TFT/256MB/30GB/DVD-CDRW/Mdm/LAN/WinXP Home

Product Highlights

Performance

- Intel Pentium4 1600MHz (1.60GHz) processor
- 256MB of Main Memory

Convenient design

- 30.0GB hard disk drive
- DVD-ROM/CDRW drive
- Internal 3.5" 1.44MB floppy diskette drive

Great Features

- 15.0" XGA TFT screen
- 16MB ATI Mobility RADEON video memory

Get On-Line

- Integrated V.90/56K modem
- Integrated 10/100 Ethernet LAN

System Characteristics

CPU

- Intel Pentium4 1600MHz (1.6GHz) processor
- Integrated co-processor

L2 Cache

- 256KB Level 2 Cache integrated on die
- 400MHz front side bus clock speed

Memory

- 256MB SDRAM expandable to 512MB
- Expansion memory: SODIMM, PC133 SDRAM, 3.3V
- Data/Address Bus Width: 64-bit/32-bit
- BIOS ROM: 512KB; Flash BIOS ROM; 4Mbit
- Intel 845 Chipset

Mass Storage

- **Floppy Disk Drive:** Internal 3.5", 1.44MB
- **Primary Hard Disk Drive:** 30.0GB hard disk drive, Enhanced IDE (ATA-5), 9.5mm height, 0.2lbs, 13ms average access time (read/write), 3ms track to track seek time (read/write), 4200rpm drive rotation, supports PIO mode4, Ultra DMA mode5, & Multiword DMA mode2
- **DVD-ROM/CDRW:** Compatibility: CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-R (read only); 180ms (DVD-ROM)/130ms (CD-ROM) Access time (read/write); 3600KB/sec (CD mode max.)/8112KB/sec (DVD mode max.); supports PIO mode4, Ultra DMA mode2, & Multiword DMA mode2; Service removable
- **Software Decoder:** InterVideo (WinDVD)

Graphics/Video

- 15.0" XGA TFT active-matrix display; internal display supports up to 16M colors at 1024 x 768
- ATI Mobility RADEON graphics controller; 16MB DDR external VRAM video memory
- 3D Graphics Accelerator, AGP bus support; 2D Graphics Accelerator, BitBLT hardware, Hardware cursor, Direct Draw support
- External Color Support:
800 x 600; 60/70/72/75/85/90/100/120/150/160/200Hz @ 16M Colors
1024 x 768; 60/70/72/75/85/90/100/120/150/160/200Hz @ 16M Colors
1280 x 1024; 60/70/72/75/85/90/100/120/150/160/200Hz @ 16M Colors
1600 x 1200; 60/70/72/75/85/90/100/120/150/160/200Hz @ 16M Colors

Input Devices

- **Keyboard:** Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® & Application keys support; HotKey function; TouchPad pointing device; Scroll function (by help of driver)
- **CD Control Function:** Play/Pause, Stop, Previous, Skip/Next, Mode Control Switch (CD/DVD), and CD Control function.

Expandability

- 2 Expansion memory slots (1 user slot accessible); 2 PC Card slots support 2 Type II or 1 Type III PC Cards; 32-bit CardBus

ready

Communications

- Integrated V.90/56K modem; Data and fax support
- Integrated 10/100 Ethernet LAN

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during

Download. Actual data transmission speeds will vary depending on line conditions.

Ports

- RGB (monitor) port
- Parallel port
- 3 Universal Serial Bus port
- TV-Out (S-Video)
- RJ-45 LAN port
- RJ-11 modem port

Physical Description

- Dimensions (LxWxH): 13.2" x 11.7" x 2.0"
- Weight: 8.3 lbs
- LED Indicators: Power, Power Save Mode, HDD, FDD, CD/DVD/DVD-CDRW, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status (on Sub LCD), System Sleep / Suspend status

Sound

- Crystal CS4299-A Codec Chip, Software sound
- 16-bit stereo, Windows Sound System Ver. 2.0; SoundBlaster® Pro compatible (in DOS box only)
- Built-in Stereo speakers
- 3D sound support with HRTF 3D positional audio; Direct 3D Sound (supported by sound driver); Hardware acceleration for DirectSound and DirectMusic; Full Duplex and MIDI (play back) support, 64 voices
- Sound Volume (by hardware volume)
- **Ports:** External Microphone port, headphone port,

Power Supply

- **AC Adapter:** 90W AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 19V x 4.74A Output.
Dimensions (LxWxH): 5.1" x 2.2" x 1.1"
Weight: 0.92lbs
- **Battery Pack:** 12-cell, rechargeable, removable Lithium Ion (Graphite) battery, 87W
- **Dimension (LxWxH):** 5.2" x 5.0" x 1.1"
Weight: 1.4lbs
- Battery Saver (in Windows): Stand by, HDD Auto Off, Display Auto Off, Throttling, Hibernation
- Approx. 3+H battery life; Recharge time(Off/On): 4.0H/4.0~9.0H
Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit www.accessories.toshiba.com

Security

- Slot for Kensington Cable lock, HDD and memory (by screw only), Built-in Modem/LAN (screw only), User Power-on password, Supervisor password, Setup Security, Screen Blank (by Hotkey), Screen Saver by software

Bios

- TSETUP, ACPI (V1.0b), PnP (V1.0a), VESA (V2.0), DPMS, DDC (DDC2B), SM BIOS (V 2.3), PCI BIOS (V2.2) support

Operating System

- Microsoft® Windows XP Home pre-installed
- Windows 2000 component drivers on the web

Additional Software

- Lotus® SmartSuite Millennium Edition
- Intuit Quicken Basic 2001

- Norton AntiVirus 2002
- AOL (3.-month offer)
- Adobe Acrobat Reader
- Microsoft Internet Explorer
- Toshiba Custom Utilities
- Satellite Series Online Documentation
- [Toshiba Great Software Offer](#): Receive your choice of two software titles. The software selection includes titles from the follow categories; productivity, education/reference, creativity and entertainment

Warranty

- 1 year parts, labor and battery

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80%; Non-operating: 10% to 95%
- **Altitude (relative to sea level):** Operating: 0 to 3000 meters; Non-operating: 0 to 10,000 meters
- **Shock:** Operating: 10G; Non-operating: 60G
- **Vibration:** Operating: 0.5G; Non-operating: 1.0G

Accessories

Kingston Memory

- KTT-SO133/128 128MB Memory
- KTT-SO133/256 256MB Memory

Wi-Fi (Agere)

- 8484415560 Orinoco Wireless LAN PC Card (Gold)
- 8485582350 Orinoco AP-1000 Access Point w/128 wep Gold Card
- 8485878380 Orinoco AP-500 Access Point
- 8485463880 Orinoco RG-1000 Residential Gateway
- 8485893390 Orinoco Range Extending Antenna

Other Accessories

- PA3165U-1ACA Universal AC Adapter
- PA3166U-1BRS Battery Pack
- PA3079U-1PCC 2GB Type II PC Card Hard Disk Drive
- PA450U Targus Defcon Key Lock

Cases

- **NWCGV1** Targus Carrying Case
(Only case suitable for this unit)

Product/Part Numbers/UPC

Satellite 1905-S277 PS190U-000FRX

* Central Processing Unit ("CPU") Performance Disclaimer:

CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95° F) or >25°C (77°F) at high altitude (all temperature references are approximate).

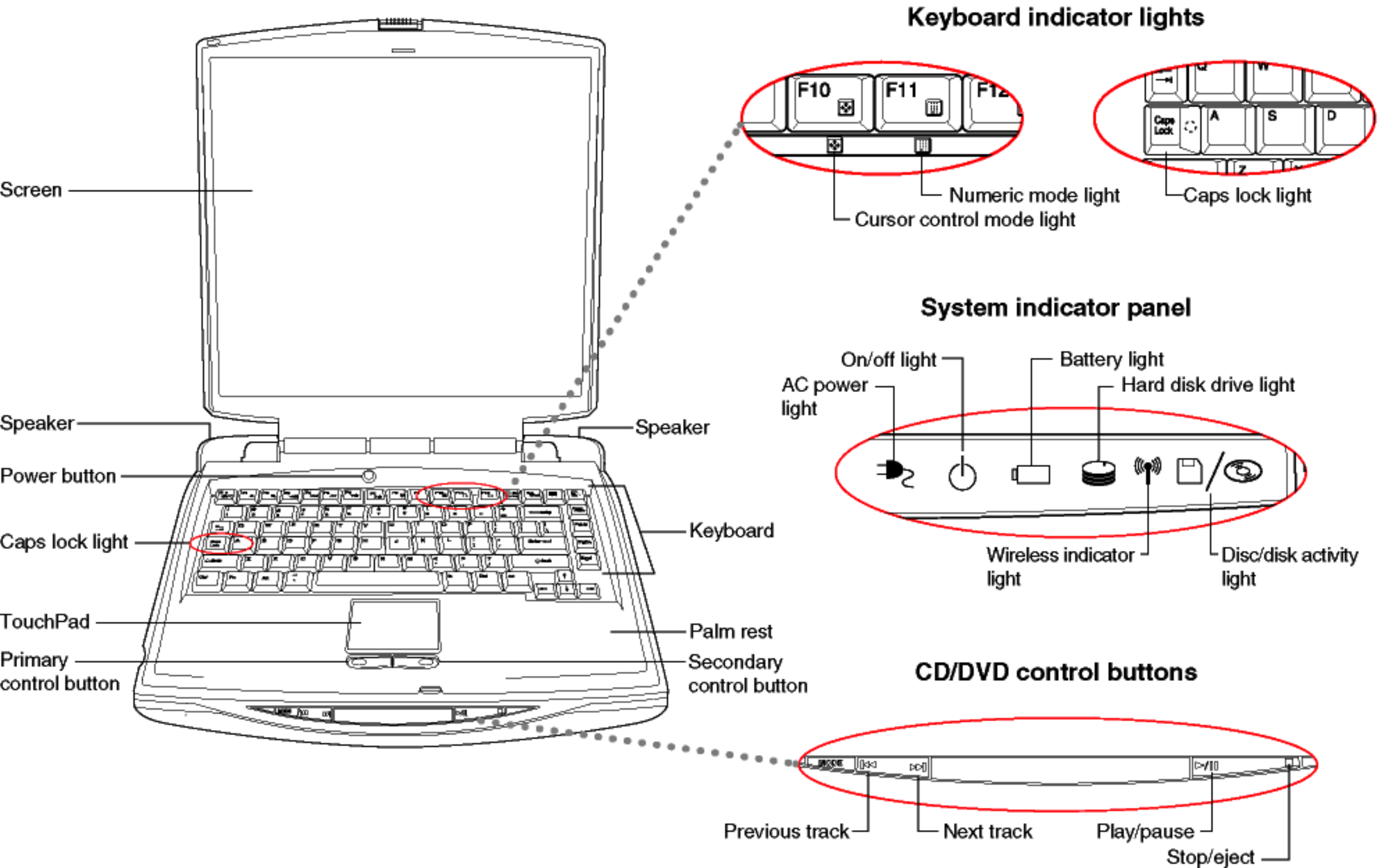
CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

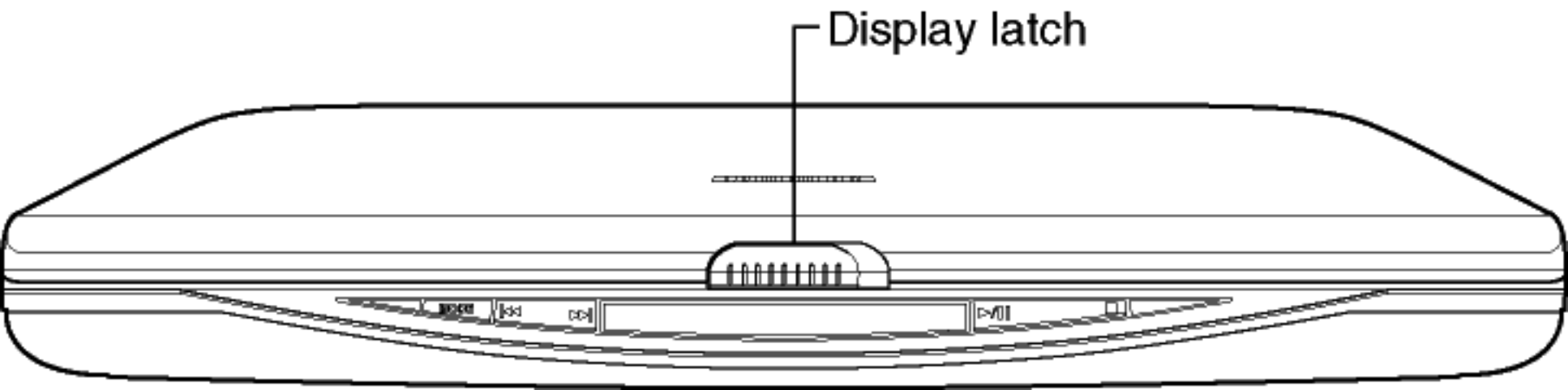
Return Policy

TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

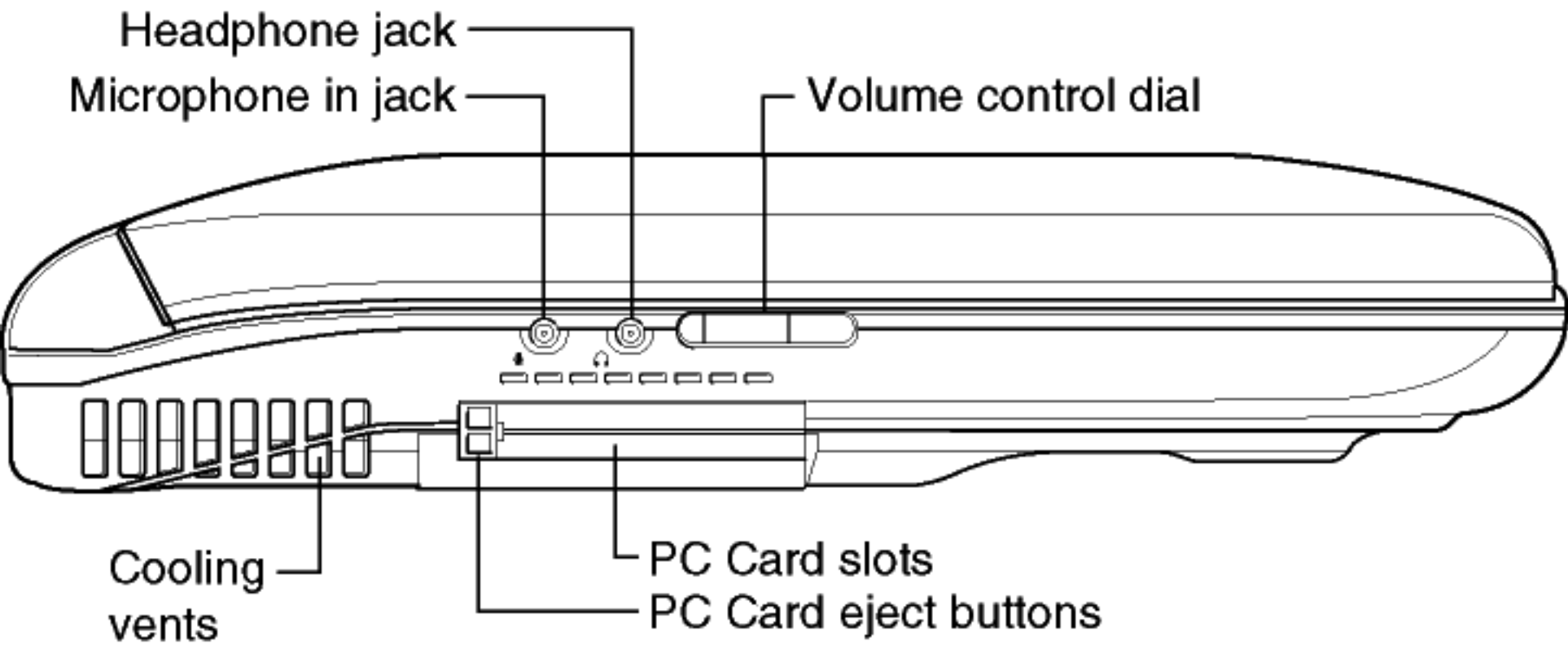
Front with display open



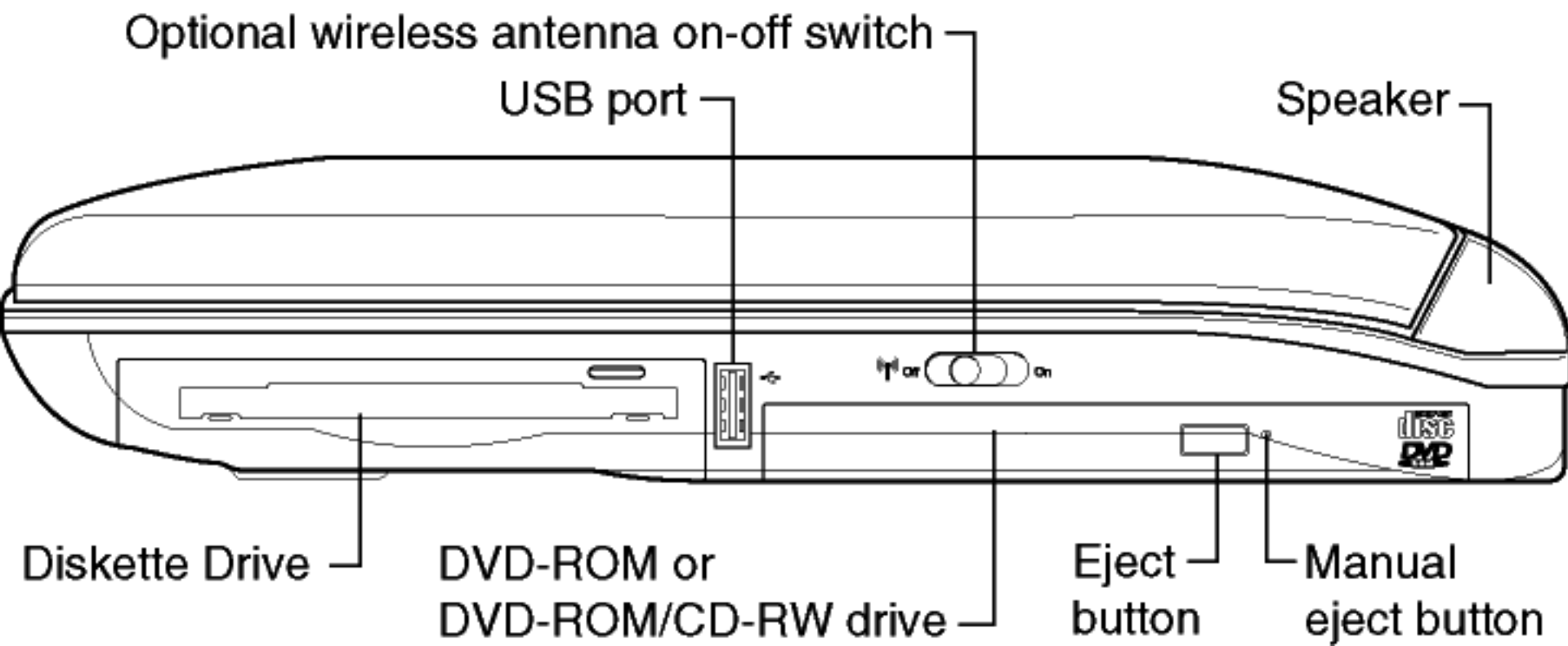
Front with display closed



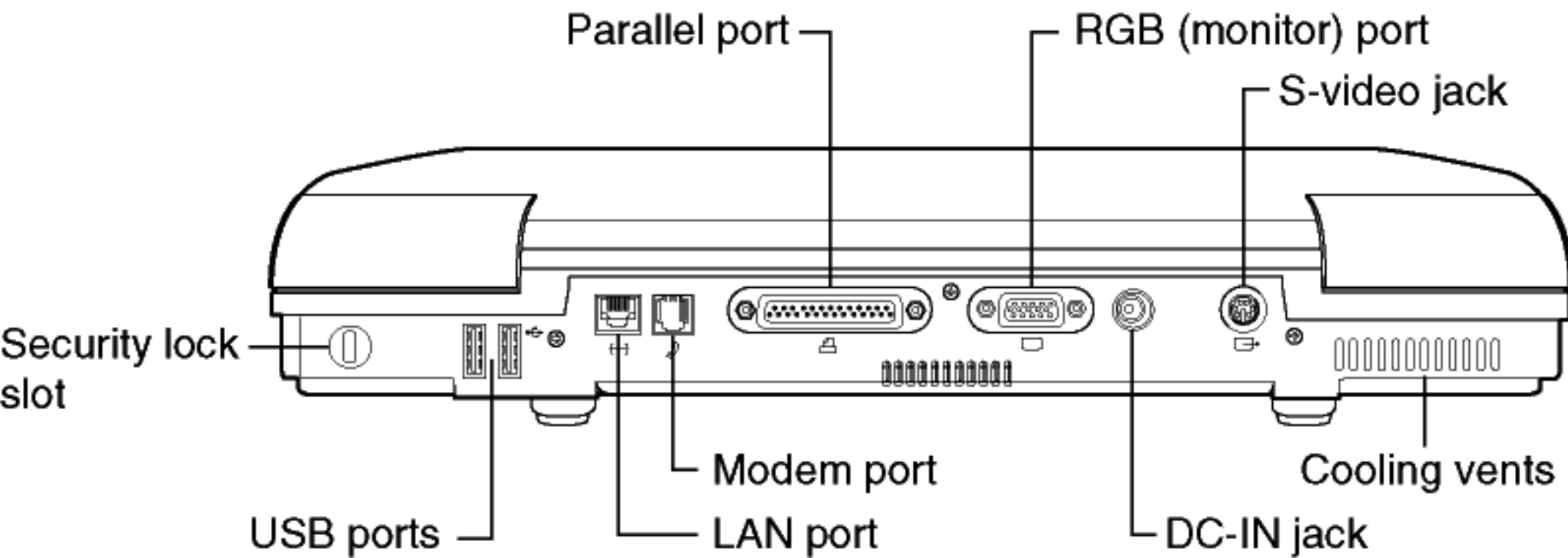
Left side



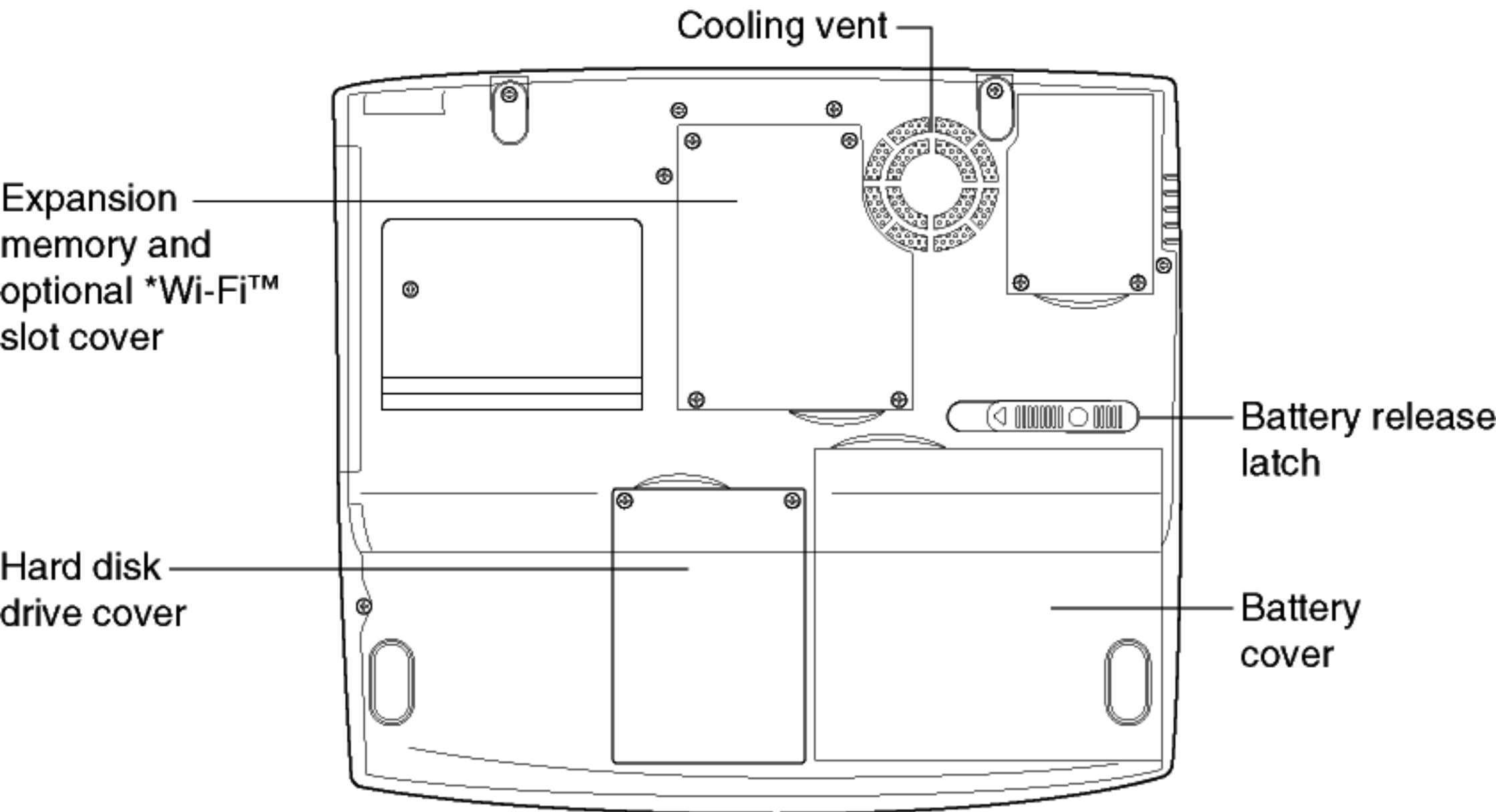
Right side



Back



Underside



*For systems with Wi-Fi™